

SCHOOL OF MINES WILL ENROLL 250

Remarkable Growth of the
Department of University
at Rolla.

HAS HAD TUMULTUOUS HISTORY

Attendance is Larger from
Outside Missouri Than
from State.

The School of Mines and Metallurgy at Rolla, a department of the University of Missouri, will open next Tuesday with an enrollment probably of 250 students. The gain is the largest in the school's history, the attendance last year having been about 200.

The School of Mines is the only department of the University not at Columbia. Excepting the other departments of the State University and the Normal Schools, of which Missouri has only five where Wisconsin has seven, the School of Mines is Missouri's only technical school. Its purpose is explained in its name. It is intended to train students in mining and metallurgy. It is therefore unlike in purpose and scope any other school in the state.

The School of Mines has had tumultuous history. In its origin it is a part of the College of Agriculture and Mechanic Arts. The Federal Congress passed an act, of which the venerable Senator Justin S. Morrill, of Vermont, was the father, on July 2, 1862, creating in each state and territory in the Union that would comply with certain conditions, a college of agriculture and mechanical arts and providing continuing appropriation therefor. The Missouri General Assembly accepted the conditions and undertook the establishment of the college.

Location Settled in 1870.

The location of the college was not finally settled until 1870. Then by a compromise, brought about by the late Major James S. Rollins, it was decided to locate a part of the college devoted to mining engineering "in the mineral district of southeast Missouri," while the remainder of the college was located at the State University, Boone county and Columbia giving 640 acres of land and paying bonds therefor.

There was a vigorous contest over the location of the School of Mines. Several counties competed. Phelps was successful and the county seat at Rolla was chosen for the location. Phelps county agreed to pay certain bonds for the school, but later defaulted. The school opened formally on November 23, 1871, with a mere handful of students. During its thirty-five years of existence it has grown in attendance and usefulness and financial equipment, despite financial and factional developments.

For a number of years it was a center of discord, often carried to the state capital to settle differences between contending factions. Finally, however, it was decentralized and responsibility for its management, as well as its support was thrown entirely upon the state, since which time it has attained larger prosperity. It is under the management of the Board of Curators of the State University. During the time when the board is not in session its direct management rests with an executive committee chosen of that board, now consisting of Capt. C. B. Farris, of Caruthersville, president; Dr. J. C. Parrish, of Vandalia, and P. E. Burton, editor of the Joplin News-Herald.

Has Had Stormy Times.

The school has had various directors and stormy times under the different managements. Charles P. Williams, Charles E. Wait, W. H. Echols, W. H. Seamen, W. B. Richards, George E. Ladd with others have at times served as its chief official. It has had a good year under the efficient leadership of Dr. L. E. Young, who came from the Colorado School of Mines, with large training for his special technical work.

The school enrolled last year more than 200 students, which was a notable increase. It is not expected that the attendance at a purely technical school will ever be as large as it would be at a normal school, where hundreds of students are enrolled. Not a great many Missourians will enlist for the study of mining engineering, but the present number is likely to increase.

"Its maintenance," said Dr. J. C. Parrish, "is necessarily expensive, as is the maintenance of all technical schools."

The present equipment is large and generally well-chosen. There are ten buildings on the campus. The engineering building has a particularly fine and attractive location, overlooking Phelps county for miles.

Many Students From Afar.

The student attendance at the school is larger from outside Missouri than at present from the state. Of the students

ST. LOUIS FIREMAN DIES IN COLLISION

Truck Crashes Into Street Car With
Fatal Result—On Demolished
Truck Last Week.

ST. LOUIS, Sept. 17.—Patrick Larkin, one of the oldest members of the Fire Department, was instantly killed when car 1015 of the Bellefontaine line collided with truck No. 2. Larkin was handling the tiller when the crash came. He was thrown from his seat and struck on his head several feet from the car tracks.

Oscar Rockling of 2922A Helbert street, driver of the truck, had his right foot crushed and is believed to have received internal injuries.

The other occupants of the truck, John McHugh of 2306 Benton street, and M. J. Ratican, Calvary and Florissant avenues, were badly bruised.

Checks Stolen.

BOSTON, Mass., Sept. 17.—A robbery of certified checks to the face value of \$10,000, on the Chapman National Bank of Portland, Me., was reported to the police by Henry C. Baxter of Brunswick, Me. The robbery took place from Mr. Baxter's automobile, in front of a Boston hotel. The checks were in a suit case.

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enrolled last year, 91 were from Missouri, 103 from other states and territories and sixteen from foreign countries. The tuition is free, as are all departments of the State University at present, and no distinction has ever been made between students from Missouri and those from outside the state.

Industrial prosperity is shown by the large and increased demands for the graduates of the School of Mines. They can be found now in every active mining region in North and South America and in South Africa. Some have gone to the development of mining fields in Asia. They usually take up first the work of the surveyor, assistant engineer and assayer, and making good in these positions, go into larger fields.

Some of the graduates of this school have achieved large fortunes. One, in particular, has made millions in South Africa. Metal mining, rather than coal mining, attracts the school graduates. The two kinds of mining are so different that few coal miners go into metal mining and few who have become interested in mining lead, zinc and other metals, go into coal pits. The school has come to rank as one of the half dozen great technical mining schools of America. Only ahead of it are the great mining schools in New York City at Columbia University, Michigan School of Mines and three or four others. It is rapidly taking rank with the best of these. The last legislature appropriated \$120,000 for the support and improvement of the school for the biennial period. In addition to this, money is received from special and federal government funds and from the Francis endowment.

Practical Training Given.

The students of the School of Mines, in addition to the lecture and laboratory work at Rolla, visit during the school year the Missouri and Illinois mining regions. At St. Louis are studied the methods of smelting and refining zinc ore, smelting and refining lead when mixed with silver, and the treating of it by the open hearth process. In the lead producing portions of southeast Missouri study is made of the concentration of Galena ores by both the English and Continental systems. At Heronblanc the roasting and reduction of lead ore and refining of bullion are seen and the iron mines of Dent and Phelps counties are usually visited.

Other student excursions are made to the Joplin district, where are studied the systems of mining the zinc and lead ores in the different kinds of ground there occurring, from the hard-shed ground to the soft ground, requiring forepoling. Other special trips are made during the year to the flourite mines of Illinois and to the Alabama iron mines. The carboniferous basin about St. Louis and its relation to the Illinois coal fields, the economic uses of the carboniferous clays in the clay districts have been noted by the students and the Iron Mountain and Pilot Knob vicinities are visited.

A summer excursion for students who have passed the junior work is usually arranged to the deep mining districts of the Rocky Mountains and the Lake Superior region.

The length of the school term is the usual college year. Director Young estimates the expenses of any student for the entire school year not to exceed \$225, while \$300 will cover in a reasonable manner the fees and the entire cost of books and board.

At the school are several college fraternities, the Gamma Chi of the Sigma Xi, Beta Alpha of Kappa Alpha, Beta Chi of Kappa Sigma, Alpha Kappa of Pi Kappa Alpha. The Young Men's Christian Association is also represented in the school.

UP TO THE MINUTE

Always Something New in
College Posters, Post Cards, Pictures, Frames

JOE JANOUSEK'S ART SHOP

UNIVERSITY ENROLLMENT TO 3 P. M. TODAY

At end of	Session of							
	1908-9	1907-8	1906-7	1905-6	1904-5	1903-4	1902-3	1901-2
1st day...	285	203	301	213	167	169	102	221
2nd day...	724	470	659	399	371	374	280	382
3rd day...	1055	805	576	552	627	594	460	549
4th day...	1410	1098	1016	720	775	682	569	639
5th day...		1390	1153	798	866	750	641	693
6th day...		1560	1282	921	949	837	710	758
7th day...		1569	1340	955	959	878	763	785
8th day...		1582	1382	1046	1009	912	784	816
9th day...		1593	1402	1082	1036	937	812	Holiday
10th day...		1608	1416	1107	1035	954	827	\$40
11th day...		1614	1426	1137	1052	966	844	\$58
12th day...		1621	1457	1191	1085	991	864	\$94

TIGER LEADER IN THE LINE



CAPTAIN E. L. MILLER.

ATHLETICS

E. L. MILLER, of Norborne, Mo., who will lead the Tigers on the gridiron this fall, is now playing his fourth year on the Varsity, and is in fine shape for a gruelling season. He has been one of the best tackles in the Middle West for the last two years. Last year before he was injured in the Texas game, he had taken the ball 105 times for an average gain of over 5 yards a clip, and had failed only once to make the necessary distance. He runs low, hits hard, and, for a man of 190 pounds, is exceedingly fast and snappy.

"Easy" Anderson, captain and guard on the 1905 team, looks good this year. He was out Tuesday night for the first time. Coach Monilaw has played him at fullback in the little preliminary practice the Varsity has had. He was not at his best in 1905, being troubled with malaria and in the hospital half the time, but this year he promises great things. He is as hard as iron and faster than ever, even though he now tips the beam at around 210.

A month from today, the first real test of the season comes with the game against Iowa University. From all reports the Hawkeyes are looked for a stellar season, and the game will be watched by dope artists all over the west with more than usual interest. Many reservations for the date already

have been made at Columbia hotels, and old Rollins Field should present a gay appearance on the afternoon of the game.

Monilaw says the game will be much the same as last year, with perhaps a few more line plays. The forward pass, which the Tigers used to beat Texas and Washington, will be used occasionally and shifts and fakes will be abundant. Much time is being devoted to the kicking end of the game, where Missouri was acknowledged weakest last year, and if Monilaw can turn out a good back-field, the success of the Varsity seems assured.

Bluck, the 220-pound tackle of last year's freshman eleven, has not yet been in moleskins this year, but will be out the first of next week. This hot weather would not help the physical condition of the big fellow, and it is just as well that the Co-Op should claim his services during the busy registration week.

Gunby, the Varsity's most reliable baseball pitcher last spring, who has been critically ill of pneumonia in Colorado for the last three months, is reported somewhat improved and hopes are entertained for his recovery. He may return the second semester.

More than eighty men have signed up for suits and the squad is expected to reach the 200 mark before the class team series begin. Even Merrill Otis has said he was coming out if he could get Captain Frazier's permission to absent himself from military duties.

Side line support is becoming more noticeable every day.

The Columbia Candy Kitchen on North Eighth street is the popular candy store that makes the best candies fresh every day. Purity is paramount at the Candy Kitchen. We carry the finest line of chocolates in the city. Give us a call and get the habit of eating our candies. They are unquestionably the purest and the best.

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BOSTON HONORS SOLDIER

Banks Monument is Unveiled After Many Delays.

BOSTON, Sept. 17.—Henry Hudson Kitson's monument to General Nathaniel P. Banks, in the grounds of the State House was unveiled yesterday, after many delays. The original appropriation of \$20,000 was passed by the Legislature of 1897; this lapsed because no action was taken for two years; and the appropriation was voted again in 1900. In 1901 there was a limited competition in which Mr. Kitson had for his rivals Cyrus E. Dallin, William Ordway Partridge and Cyrus Cobb.

The award of the commission to Mr. Kitson was made by a committee composed of Lieutenant Governor Bates,

Messrs. S. Herbert Howe, David F. Slade, Henry D. Yerxa and Julius H. Appleton. The stipulations set forth in the preliminary circular issued by the monument committee included the following points: That the subject should be represented in civilian dress; that all the models should be in plaster and on a scale of two inches to the foot; that no model would be considered the enlargement of which could not be erected of first-class material for \$18,000; that no model would be received after Dec. 1, 1901; and that the unsuccessful competitors should receive \$100 each.

The models entered in the competition were exhibited in the State House for two weeks in December, 1901. Richard E. Brooks had been invited to enter the competition, but he was in France, and could not conveniently prepare a model.

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